

Year 8

Subject: Maths

	Autumn 1 7 weeks	Autumn 2 7 weeks	Spring 1	Spring 2	Summer 1	Summer 2
YEAR 8 TOPICS:	Number I and Number II	Number III and Algebra II	Geometry I Algebra I	Algebra II	DATA I and II	Ratio and Proportionality
CONTENT	*BIDMAS *Directed Number *Number types and using Venn diagrams for HCF and LCM *Rounding and Estimating *Bounds *Calculations *Standard Form *Intro to SURD format	*Calculations in FDP *Fractions Decimals and Percentages skills and calculations with and without a Sci Calculator *Sequences and Graphs - including conversion and applying DST *Transformations	*Finish Transformations if needed *Recalling basic geometric facts - names and language *Perimeter Area and Volume *Similarity intro **Index Laws and BIDMAS for use with algebra	*Index Laws and BIDMAS for use with algebra cont. *Reading and Writing Expressions, simplifying *Factorising and Expanding reminder *Using Formulae and Substitution *Making and solving Equations and Inequalities	*Averages *Reading, Presenting and Interpreting Data *Probability	*Ratio and all its strands -simplifying, writing as a fraction -Sharing - compound ratios and problem solving -unit cost and best buy - recipes -scales and maps - proportionality (direct) *Angle and Angle Rules Pythagoras (and TRIG Set 1)
HWK AND ASSESSMENT	*Number Assessment before half-term *Weekly homework set on Dr Frost site	*FDP Assessment Week 5 after half-term *Weekly homework set on Dr Frost site	*Only 1 SPRING Assessment. Usually late in Spring Term: PERIMETER AREA and VOLUME 1 *Weekly homework set on Dr Frost site	*All Algebra Assessment *Weekly homework set on Dr Frost site	*End of Year Assessment on any topics from Years 7 and 8. About 3 weeks before end of Summer Term	